

DG Flugzeugbau GmbH	Technical Note No. 60	LS 1-f LS 1-f (45)	Page 1 of 1
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Subject: Increase of Service Life.

Effectivity: **LS 1-f, LS 1-f (45)**, all serial numbers

Accomplishment: Instruction 1-2: prior the next periodic inspection, latest up to 31.12. 2008
Instruction 3: none, optional

Reason: Results of supplementary serviceability tests at main spar booms for wings proved that service life of GRP-sailplanes may be increased up to 12000 hours, if airworthiness of each single sailplane is checked according to a special multiple-stage inspection program as included in the Maintenance Manual.
The empty weight C.G. table (only valid for LS 1-f) was extended with Minimum Cockpit Loads between 60 and 85 kg <132 to 187 lbs>. So it is possible to move the empty weight C.G. backwards, if desired.

- Instructions:
- LS 1-f:** Exchange the following Flight Manual pages against Edition Nov. 2007:
Title page; page 4 (Valid pages); pages 7, 7a, 7b, 7c (Empty Weight C.G. Table);
LS 1-f (45): no change
 - LS 1-f and LS 1-f (45):** Exchange the following Maintenance Manual (Instructions for Continued Airworthiness) pages against Edition Nov. 2007:
page 0-1 (Valid pages); page A (Inspection sequence to increase service life)
 - If desired, ballast can be removed from the fuselage nose or installed in the tail. Thereafter a new weighing of the sailplane must be performed and the minimum cockpit load must be noted on the cockpit data-plate and in the flight manual.

Weight and Balance: None.

Remarks: Instruction No. 1 & 2 may be executed from the pilot/owner and inspected and entered in the aircraft logs by a licensed inspector, latest at the next annual inspection.

Instruction No.3 is to be executed by the manufacturer or by a licensed workshop. Instr.No3 must be inspected and entered in the aircraft logs by a licensed inspector.

EASA-approved: EASA certified on 14.May 2008 with
Certification No. EASA.A.C.09373

Issued:
12.12.07
Rev. 9.May. 2008

W. Topf



09. MAI. 2008



EUROPEAN AVIATION SAFETY AGENCY

EASA

Certification Directorate

Köln, 14 May 2008
EASA D (2008)

APPROVAL FROM THE EXECUTIVE DIRECTOR

EASA.A.C.09373

Major Change Design for DG LS 1-f, LS 1-f (45) series (DG Flugzeugbau GmbH)

Whereas the Regulation (EC) N° 216/2008, and in particular its Article 20 empowers the Agency to proceed certification tasks,

Whereas the LBA-DE (CS22) has been entrusted by the Executive Director to carry out the above mentioned tasks,

And having regard to the technical visa granted by the LBA-DE (CS22) and referenced to as "T1610-G000E-08-A401-0007", as described in Annex I

I hereby approve

Increase of Service Life up to 12 000 hours

Associated Technical Documentation:

-Technical Note TN 60

Austauschseiten zu den Handbüchern:

-Flughandbuch LS 1-f (deutsch): Titelblatt, Seite 4, 7 und 7a. Ausgabe Nov. 2007

-Betriebshandbuch LS 1-f (deutsch): Seite 1a und Seite 29. Ausgabe Nov. 2007

-Betriebshandbuch LS 1-f (45) (deutsch): Seite 1a und Seite 29. Ausgabe Nov. 2007

Exchange pages for the manuals:

-Flight Manual LS 1-f (engl.): Titel page, page 4, 7, 7a 7b and 7c. Issue Nov. 2007

-Operating Instructions for Continued Airworthiness LS 1-f (engl.): page 0-1 and page A. Issue Nov. 2007

-Operating Instructions for Continued Airworthiness LS 1-f (45) (engl.): page 0-1 and page A. Issue Nov 2007

-Inspections Program for Life Extension (from 3000 up to 12 000) Edition Nov. 2007)

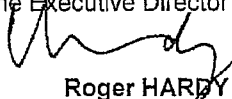
-Programm zur Erhöhung der Lebensdauer (von 3000 auf bis zu 12 000 Stunden)

Limitations and Conditions:

Prior to installation of this modification the installer must determine that the interrelationship between this modification and any other previously installed modification will introduce no adverse effect upon the airworthiness of the product.

The installation of this modification by third persons is subject to written permission of the approval holder.

Done at Köln in two copies,
For the Executive Director


Roger HARDY
Certification Manager
General Aviation